



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 8L: Climb heading 092° to at or above 1500, then on 072° course to HRSHL, then via depicted route to MUNSN, thence....

TAKE-OFF RWY 8R: Climb heading 092° to at or above 1500, then on 070° course to HRSHL, then via depicted route to MUNSN, thence....

TAKE-OFF RWY 9L: Climb heading 092° to at or above 1480, then left turn direct LIDAS, then via depicted route to MUNSN, thence....

TAKE-OFF RWY 9R: Climb heading 092° to at or above 1500, then left turn direct LIDAS, then via depicted route to MUNSN, thence....

TAKE-OFF RWY 10: Climb heading 092° to at or above 1500, then on 111° course to SHELE, then via depicted route to MUNSN, thence

TAKE-OFF RWY 26L: Climb heading 272° to at or above 1540, then on 296° course to MPASS, then via depicted route to MUNSN, maintain 250 KIAS until ZELAN, thence....

TAKE-OFF RWY 26R: Climb heading 272° to at or above 1520, then on 295° course to MPASS, then via depicted route to MUNSN, maintain 250 KIAS until ZELAN, thence....

TAKE-OFF RWY 27L: Climb heading 272° to at or above 1540, then on 248° course to FUTBL, then via depicted route to MUNSN, maintain 250 KIAS until ZALLE, thence....

TAKE-OFF RWY 27R: Climb heading 272° to at or above 1520, then on 247° course to FUTBL, then via depicted route to MUNSN, maintain 250 KIAS until ZALLE, thence....

TAKE-OFF RWY 28: Climb heading 272° to at or above 1500, then on 247° course to WLSO, then via depicted route to MUNSN, maintain 250 KIAS until ZALLE, thence....

....maintain 10,000 (or requested altitude if lower), expect clearance to filed altitude ten minutes after departure.

COLLIERS TRANSITION (MUNSN4.IRQ):

NOTE: Rwy 8L: Multiple trees beginning 930' from DER, 533' left of centerline, up to 58' AGL/1048' MSL. Bldg 2705' from DER, 1061' left of centerline, 72' AGL/1068' MSL.

NOTE: Rwy 8R: Antenna on tower 4816' from DER, 1637' right of centerline, 153' AGL/1148' MSL. Tower 4804' from DER, 1666' right of centerline, 148' AGL/1145' MSL. Stack on Bldg 1734' from DER, 945' left of centerline, 47' AGL/1043' MSL.

NOTE: Rwy 9L: Rod on pole 5306' from DER, 1731' left of centerline, 187' AGL/1137' MSL. Bush 101' from DER, 453' left of centerline, 3' AGL/981' MSL.

NOTE: Rwy 10: Tower 4223' from DER, 400' left of centerline, 216' AGL/1135' MSL. Antenna on tower 4240' from DER, 407' left of centerline, 217' AGL/1134'. Pole 59' from DER, 467' right of centerline, 51' AGL/1016' MSL. Pole 198' from DER, 520' right of centerline, 43' AGL/1011' MSL.

NOTE: Rwy 26L: Tree 1370' from DER, 186' left of centerline, 53' AGL/1060' MSL. Tree 2832' from DER, 564' left of centerline, 50' AGL/1097' MSL. Rod on Bldg 1249' from DER, 752' left of centerline, 52' AGL/1059' MSL. Bldg 1138' from DER, 636' left of centerline, 43' AGL/1057' MSL.

NOTE: Rwy 26R: Multiple trees beginning 1786' from DER, 110' right of centerline, up to 83' AGL/ 1135' MSL. Multiple trees beginning 1988' from DER, 143' left of centerline, up to 100' AGL /1112' MSL. Pole 3196' from DER, 997' right of centerline, 49' AGL/1101' MSL. Antenna on tower 3382' from DER, 1024' right of centerline, 76' AGL/1128' MSL. Antenna 3814' from DER, 1069' right of centerline, 69' AGL/1121' MSL.

NOTE: Rwy 27L: Hopper 3936' from DER, 1255' right of centerline, 96' AGL/1131' MSL.

NOTE: Rwy 27R: Tree 4396' from DER, 1005' right of centerline, 92' AGL/1137' MSL. Antenna on hopper 3568' from DER, 862' right of centerline, 68' AGL/1113' MSL. Light pole 1012' from DER, 729' right of centerline, 28' AGL/1046' MSL. Multiple hoppers beginning 3680' from DER, 201' right of centerline up to 96' AGL/1131' MSL. Elevator 4001' from DER, 207' right of centerline, 103' AGL/1125' MSL.

NOTE: Rwy 28: Catenary 2001' from DER, 771' left of centerline, 60' AGL/1051' MSL.